

MATERIAL SAFETY DATA SHEET

I Product Identification

Product Name : Carbon Remover
Reference No : Norchem CPR 566

II Composition/Information on Ingredients

Ingredient	CAS No	Percent	Classification
Phenol	108-95-2	< 20%	R 34, R 24/25
Methylene Chloride	75-09-2	<11%	R40
Solvesso 150	64742-94-5	30-45 %	R51/53, R65
Diesel oil	68334-30-5	15-25 %	R40
Surfactants		5-15 %	

III Hazards Identification

Odour Unpleasant odour, Strong smell of phenol

Appearance Dark brown, dispersible in water

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Potential Health Effects.

Inhalation May cause severe irritation, May cause dizziness, confusion, headache or stupor, In cases of severe exposure, anesthesia may develop

Ingestion Toxic if swallowed

Skin Contact Causes burns, Toxic in contact with skin and if swallowed

Eye Contact Can cause damage to the eyes

IV First Aid Measures

Inhalation	Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Skin Contact	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Speedy Action Is Critical!
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

V Fire Fighting Measures

Fire	Flash point >60 deg C (CC)
Fire Extinguishing Media	Use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide. Use water spray or fog to knock down and absorb corrosive fumes
Special Information	Decomposition products may include phosgene, Decomposition products may include carbon oxides. Substance evolves toxic fumes, wear self-contained breathing apparatus. Prevent run off water from entering drains if possible Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback.

VI Accidental Release Measures

Personal Precautions	Wear protective clothing. Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
Environmental Precautions	Do not allow to enter public sewers and watercourses
Immediate Actions	Use appropriate containment to avoid environmental contamination
Clean Up Actions	Absorb spillage in inert material and shovel up. Ventilate the area and wash spill site after material pick-up is complete.

VII Handling and Storage

Handling	Eyewash bottles should be available. Avoid contact with skin and eyes.
Storage	Keep only in the original container in a cool, well ventilated place.

VIII Exposure Controls/Personal Protection

Exposure Limits	TLV (TWA) 20 ppm, 122 mg/m ³ (1,2-Dichlorobenzene)
Exposure controls	The undiluted product must not be used in a confined space without good ventilation
Occupational exposure controls	Wear approved respirator if exposure likely to exceed MEL/OES. Wear goggles giving complete eye protection. Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended)

IX Physical and Chemical Properties

Appearance	Dark brown to black liquid
Odor	Pungent
Specific Gravity	0.95 ± 0.02
Flash Point	Above 60°C (140°F)
Boiling Point	Approx. 130°C (266°F)
Freezing Point	- 10°C (14°F)
pH	9.2 ± 0.2

X Stability and Reactivity

Stability	Stable
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide
Hazardous Polymerization	Has not been reported
Incompatibilities	Incompatible with strong oxidizing agents, alkalis, nitric acid, calcium hypochlorite, and halogens. Mixtures with nitrobenzene and aluminum chloride may violently explode. Phenol coagulates colloid and proteins. Hot liquid phenol will attack aluminum, magnesium, lead, and zinc metals.
Conditions to avoid	Temperatures above recommended temperatures

XI Toxicological Information

Causes burns. Toxic in contact with skin and
If swallowed. Corrosive. Highly toxic.
LD50/LC50: CAS# 108-95-2:
Draize test, rabbit, eye: 5 mg Severe;
Draize test, rabbit, skin: 500 mg/24H Severe; Draize test, rabbit, skin: 100 mg
Mild Inhalation, mouse: LC50 = 177 mg/m³; Inhalation, mouse: LC50 = 177 mg/m³/4H;
Inhalation, rat: LC50 = 316 mg/m³; Inhalation, rat: LC50 = 316 mg/m³/4H; Oral, mouse: LD50
= 270 mg/kg; Oral, rat: LD50 = 317 mg/kg;
Oral, rat: LD50 = 512 mg/kg; Skin, rabbit: LD50 = 630 mg/kg; Skin, rat: LD50 = 669 mg/kg;
Skin, rat: LD50 = 1500 mg/kg.

XII Ecological Information

Ecotoxicity This product contains components which are classified in the EU as dangerous for the environment. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Mobility Emulsifies in water

XIII Disposal Considerations

Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

XIV Transport Information

International (Water, I.M.O)

Proper Shipping Name	Phenol Solution
Hazard Class	6.1
UN/UA	2821
Packing Group	II

Domestic (Land, D.O.T.)

Proper Shipping Name	Dichloromethane
Hazard Class	6.1
UN/UA	1593
Packing Group	III

XV Regulatory Information

- Risk Phrases**
- Harmful by inhalation (R20)
 - Toxic in contact with skin and if swallowed (R24/25)
 - Causes burns (R34)
 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53)
- Safety Phrases**
- Do not breathe vapour/fumes (S23)
 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
 - After contact with skin, wash immediately with plenty of soap and water (S28)
 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62)
 - Wear suitable protective clothing, eye/face protection and gloves (S36/37/39)
 - This material and its container must be disposed of as hazardous waste (S60)
 - Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

XVI Other Information

- R22:** Harmful if swallowed.
- R24/25:** Toxic in contact with skin and if swallowed.
- R34:** Causes burns.
- R36/37/38:** Irritating to eyes, respiratory system and skin.
- R50/53:** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51:** Toxic to aquatic organisms.
- R51/53:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53:** May cause long term adverse effects in the aquatic environment.
- R65:** Harmful: may cause lung damage if swallowed.
- R66:** Repeated exposure may cause skin dryness or cracking.

All information and recommendations given in this brochure are, to the best of our knowledge, true and accurate; but since the conditions of use are beyond our control, no warranty is given nor do we accept any liability